| Index of Claims  | Application No. |  |  |
|--|-----------------|--|--|
|  | 10/657,790      |  |  |
|  | Examiner        |  |  |
| 4 198/91 118/1 98/18 91/91 91/1/ 188/1 188/9 18/1/ 88/H 189/ | David Lam       |  |  |

Applicant(s)

KATO ET AL.

Art Unit

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

|   | A | Appeal   |
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| l _                                | ल   | 4        |  |  | ļ  | ļ  |               |          | Ì        |              | ŀ.  |
| Final                              | ·F  | 8        |  |  | l  |  |               |          |          |              |     |
| ፲፲                                 | Original  | 9/20/04  |  |  |  |  |               |          |          | İ            |     |
|                                    | <u> </u>  |          |  | _  |  | <u> </u>   | L.            | _        |          |              | ļ   |
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| <u> </u>                           | 1   | _        | <u> </u>   | ⊢  | _  | $\vdash$   |               | _        | _        | <u> </u>     | 1   |
| <u> </u>                           | 6   |          |  | _  | -  | -  |               | -        | -        | -            | ŀ   |
|                                    | 1 1   | ┝        | ⊢  | ├-   | ⊢  | H  | -             | <u> </u> | ⊢        | ┝            | 1   |
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| <u> </u>                           | 10  | ├-       | ⊢  | -  | -  |  | $\vdash$      |          |          | $\vdash$     | ١.  |
|                                    | 111   | ├─       | -  | ┝  | ┝  |  | -             |          | ┢        | ┝            | l   |
| <b>-</b>                           | 12  | ┢        | $\vdash$   |  |  |  |               |          | ┢        | $\vdash$     |     |
| <u> </u>                           | 10   11   12   13   14   15   16   17   18   19   20   21   22   28   29   30   31   32   33   34 | $\vdash$ | ┢  | $\vdash$   | $\vdash$   | $\vdash$   | H             | -        | $\vdash$ | $\vdash$     |     |
| <u> </u>                           | 14  | ┢        | H  |  | -  | -  |               |          | -        | -            | 2   |
| <del></del>                        | 15  |          | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$      | _        | $\vdash$ | <del> </del> |     |
| -                                  | 16  | $\vdash$ | -  | $\vdash$   | ┢  | ┢  |               |          |          |              |     |
|                                    | 17  | $\vdash$ | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   |               | _        | $\vdash$ |              |     |
|                                    | 18  |          |  |  |  |  |               |          | Т        |              |     |
|                                    | 19  |          |  | Т  | Г  | $\vdash$   | $\overline{}$ |          | $\vdash$ |              |     |
|                                    | 20  |          |  | Г  | $\vdash$   |  |               |          | Т        |              | 100 |
|                                    | 211   |          |  |  |  |  |               |          | Г        |              |     |
|                                    | 222   | i        |  |  |  |  |               |          |          |              |     |
|                                    | 23  |          |  |  |  |  |               |          |          |              | ĕ,  |
|                                    | 24  |          |  |  |  |  |               |          |          |              |     |
|                                    | 25  |          |  |  |  |  |               |          |          |              |     |
| <u></u>                            | 28  |          |  |  |  |  |               |          |          |              |     |
| 1<br>2<br>3<br>5<br>4              | 27  | Ī        | <u> </u>   |  |  | _  |               |          |          |              |     |
| 2                                  | 28  | Ш        |  |  |  |  |               | _        |          |              |     |
| 3                                  | 29  | ╙        | _  | _  |  |  | _             |          |          |              | ١.  |
| 5                                  | 30  | ╙        | _  | <u> </u>   |  |  |               |          |          |              |     |
| 4                                  | 31  | ₩        | <u> </u>   | _  | _  | _  | _             | _        |          | $\vdash$     |     |
| <del> </del>                       | 32  | ╁        | ┝  | _  | <u> </u>   | _  | -             |          | _        | $\vdash$     |     |
| 10                                 | 34  | ╂╴       | ┝  |  | _  | -  | $\vdash$      | -        | $\vdash$ | $\vdash$     |     |
| 10                                 | 35  | ╂        | ├  | _  |  |  |               | _        | -        | -            |     |
| 6<br>8<br>9<br>10<br>7<br>14<br>11 | 35<br>36<br>37<br>38<br>39  | ╫        | $\vdash$   | ļ  |  |  | -             | -        | -        | -            |     |
| 14                                 | 37  | H        | $\vdash$   | _  |  |  | ┝             |          | -        |              |     |
| 11                                 | 38  | H        | $\vdash$   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$      | -        | -        | _            | 1   |
| 12                                 | 39  | H        | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$      |          | $\vdash$ | $\vdash$     |     |
| 13                                 | 40  | 十        | _  |  |  |  | _             | -        |          | $\Box$       |     |
| 15                                 | ·41   | П        |  |  |  | l —  |               |          |          |              |     |
| 16                                 | 42  | П        |  |  |  |  |               |          |          |              |     |
| 17                                 | 43  |          |  |  |  |  |               |          |          |              |     |
| 18                                 | 44  | Ш        |  |  |  |  |               |          |          |              |     |
| 19                                 | 45  | Ш        |  |  |  |  |               |          |          |              |     |
| 20                                 | 46  | ЦĹ       |  |  |  |  |               |          |          |              | ŀ   |
| 21                                 | 47  | Ш        | L.   |  |  |  |               |          |          |              |     |
| 22                                 | 48  | Ш        | L  | <u> </u>   |  |  | L             |          |          | L            | ١.  |
| 23                                 | 49  | Ц.       | <u> </u>   | <u> </u>   | <u> </u>   | L_   | Щ             |          | <u> </u> | L.           | ľ   |
| 24                                 | 50  | Ė        |  |  |  |  |               |          |          |              |     |

| 1   | Cla      | im                               | Date    |   |               |               |          |          |              |          |          |  |
|-----|----------|----------------------------------|---------|---|---------------|---------------|----------|----------|--------------|----------|----------|--|
| 1   |          |                                  | Ι       | Γ | Г             | 一             |          |          | Г            | Г        | Г        |  |
|     | Final    | Original                         | 9/20/04 |   |               |               |          |          |              |          |          |  |
| Ì   | 25       | 51                               | =       |   | $\overline{}$ | $\overline{}$ |          |          | Г            |          | $\vdash$ |  |
|     | 25<br>26 | 52                               | =       |   | _             | _             |          | _        | $\vdash$     | Н        | $\vdash$ |  |
|     | 20       | 52                               | Ë       |   | -             | -             | ⊢        |          | ├            | -        | -        |  |
|     |          | 5.4                              | -       | _ | _             | _             | <u> </u> | _        | _            | $\vdash$ |          |  |
|     |          | 51<br>52<br>53<br>54<br>55       | _       | _ |               | _             | _        | _        |              | <u> </u> | <u> </u> |  |
|     |          | 55                               |         |   |               |               |          |          |              | _        |          |  |
|     |          | 56                               |         |   | _             |               | _        |          |              | L.       | _        |  |
|     |          | 56<br>57<br>58<br>59             |         |   |               |               |          |          |              |          | _        |  |
|     |          | 58                               |         |   |               |               |          |          |              |          |          |  |
|     |          | 59                               |         |   |               |               |          |          |              |          |          |  |
| ٠   |          | 60                               |         |   | Г             |               |          |          |              |          |          |  |
| - 1 |          | 60<br>61                         |         |   | Г             | _             |          |          |              |          | $\Box$   |  |
| - 1 |          | 62                               |         |   |               |               |          |          |              |          |          |  |
| .   |          | 63                               | -       | _ |               | -             |          |          | -            | -        | $\vdash$ |  |
|     |          | 62<br>63<br>64<br>65<br>66       | -       | Н | -             |               |          |          | -            | -        | -        |  |
| ŀ   |          | 65                               |         |   | _             |               |          | _        | -            | -        | -        |  |
|     |          | 66                               | _       | _ | _             | _             | H        | _        | $\vdash$     | $\vdash$ | ⊢        |  |
|     |          | 00                               | _       | _ | _             |               | _        | _        | $\vdash$     | _        | -        |  |
|     |          | 67                               |         |   | _             | _             |          |          |              |          | _        |  |
|     |          | 68<br>69                         |         |   | _             |               | _        |          |              |          |          |  |
| -3  |          | 69                               |         |   | _             |               |          |          | 匚            |          | _        |  |
| -   |          | 70                               |         |   |               |               |          |          | L            |          |          |  |
|     |          | 71                               |         |   |               |               |          |          |              |          |          |  |
|     |          | 72                               |         |   |               |               |          |          |              |          |          |  |
| ۱ ا |          | 73                               |         |   |               |               |          |          |              |          |          |  |
|     |          | 74                               |         |   |               |               |          |          |              |          |          |  |
|     |          | 70<br>71<br>72<br>73<br>74<br>75 |         | - |               |               |          |          |              |          |          |  |
|     |          | 76                               |         |   |               |               |          |          |              |          |          |  |
|     |          | 76<br>77<br>78<br>79<br>80       |         |   |               |               |          |          |              | П        |          |  |
| ,   |          | 78                               |         |   |               |               |          |          | П            |          |          |  |
|     |          | 79                               |         | _ | _             |               |          |          | $\vdash$     | _        |          |  |
| . ] |          | 80                               |         |   |               | _             |          | _        | _            | $\vdash$ | _        |  |
|     | -        | 81                               |         | _ | -             |               |          | _        | Н            | ┢        | _        |  |
| 1   |          | 82                               |         | _ |               | -             |          | _        | ┢            | $\vdash$ | _        |  |
|     |          | 81<br>82<br>83                   | _       |   | _             | -             |          | -        | _            | -        | -        |  |
|     |          | 84                               | _       | _ | _             | -             |          | ⊢        | <del> </del> | $\vdash$ | -        |  |
|     |          | 85                               | -       |   | -             | $\vdash$      |          | $\vdash$ | $\vdash$     | -        | -        |  |
|     |          | 86                               |         | — |               |               |          | _        |              | -        |          |  |
|     |          | 00                               | _       | _ |               |               |          |          | -            | -        |          |  |
| . 1 |          | 87<br>88                         | _       | _ |               | _             | _        | _        |              | $\vdash$ |          |  |
| -   |          | 88                               | _       |   |               | _             | _        |          | _            | _        |          |  |
|     |          | 89<br>90                         |         |   | L.            |               |          |          |              |          |          |  |
| J   |          |                                  |         |   |               |               |          |          |              |          |          |  |
|     |          | 91                               |         |   |               |               |          |          |              |          |          |  |
|     |          | 92                               |         |   |               |               |          |          |              |          |          |  |
| ١   |          | 93                               |         |   | _             |               |          |          |              |          |          |  |
| ĺ   |          | 94                               |         |   |               |               |          |          |              |          | Ĺ.       |  |
| - 1 |          | 95                               |         |   |               |               |          |          |              |          | L.       |  |
| Ì   |          | 96                               |         |   |               |               |          |          |              |          |          |  |
| Ì   |          | 97                               |         |   |               |               |          |          |              |          |          |  |
| 1   |          | 98                               |         |   |               |               |          |          |              |          |          |  |
| ·   |          | 99                               |         |   |               |               |          |          | Г            | Г        |          |  |
| Ì   |          | 100                              |         |   |               | $\overline{}$ |          |          | $\vdash$     | г        | Г        |  |
| ٠,  |          |                                  |         |   |               | Щ-            |          | ш        | _            | _        |          |  |

| Cla   | aim                             | Date     |              |                |          |              |          |  |              |          |
|-------|---------------------------------|----------|--------------|----------------|----------|--------------|----------|--|--------------|----------|
|       |                                 | Г        |              | Π              |          |              | Γ.       | Г  | Γ            | П        |
| Final | Original                        |          |              |                |          |              |          |  |              |          |
|       |                                 |          |              | _              | <u> </u> |              |          |  | <u>L.</u> .  |          |
|       | 101                             | _        | _            | _              | _        |              |          | <u> </u>   | _            |          |
|       | 102<br>103                      | _        |              | <u> </u>       | _        |              |          | <u> </u>   | ļ            |          |
|       | 103                             |          |              | _              | _        |              |          | <u> </u>   |              |          |
|       | 104<br>105                      | _        | _            |                | ļ        |              | -        |  | <u> </u>     | Щ        |
|       | 105                             |          | _            | <u> </u>       | <u> </u> | _            | _        | _  | <u> </u>     | -        |
|       | 100                             | _        | _            | H              |          | _            | _        | _  | ├-           |          |
|       | 107<br>108                      | _        | -            | -              | -        |              | -        | -  | <del> </del> | -        |
|       | 109                             | -        | $\vdash$     |                | $\vdash$ |              |          | $\vdash$   |              |          |
|       | 110                             | $\vdash$ |              |                |          | _            | $\vdash$ | H  | -            | $\vdash$ |
|       | 111                             |          | H            | -              | $\vdash$ | -            | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$ |
|       | 112                             |          | -            | -              |          |              | -        |  | $\vdash$     |          |
| -     | 112<br>113                      | -        | <b>-</b>     | Ι-             | -        | -            | $\vdash$ | Ι-   | -            | $\vdash$ |
|       | 114                             |          |              | 1-             | <b> </b> | т            |          | <del>                                     </del> | $\vdash$     |          |
|       | 115                             |          | Т            | Г              | Г        | П            | Г        |  | $\vdash$     | $\Box$   |
|       | 116                             | П        | П            | Γ              | П        | М            |          |  | Ι            |          |
|       | 117                             |          |              | Γ              | Г        |              |          |  |              |          |
|       | 118<br>119                      |          |              |                |          |              |          |  |              |          |
|       | 119                             |          |              |                |          |              |          |  |              |          |
|       | 120                             |          |              |                |          |              |          |  |              |          |
|       | 121<br>122                      |          |              |                |          |              |          |  |              |          |
|       | 122                             |          |              |                |          |              |          |  |              |          |
|       | 123                             |          |              |                |          |              |          |  |              |          |
|       | 123<br>124<br>125               |          | $oxed{oxed}$ | $oxed{oxed}$   |          | $oxed{oxed}$ |          | _  |              |          |
|       | 125                             | _        |              |                |          |              |          | _  | _            |          |
|       | 126<br>127<br>128<br>129<br>130 |          |              | ļ              |          | _            |          | <u> </u>   | <u> </u>     | Щ        |
|       | 127                             |          |              |                |          |              |          |  | -            | -        |
|       | 120                             |          | _            |                |          | _            | _        | $\vdash$   | -            |          |
|       | 129                             |          |              | -              |          | _            | _        | _  | <del> </del> |          |
|       | 130                             |          | —            |                |          |              | _        | _  |              | $\dashv$ |
| -     | 131<br>132                      |          |              |                |          |              |          |  | -            | $\dashv$ |
|       | 133                             | _        |              | -              | -        | _            |          |  | -            | Н        |
|       | 134                             | -        |              |                | -        |              |          |  | -            | $\dashv$ |
|       | 135                             | H        | $\vdash$     | H              |          | H            | H        |  | H            | $\vdash$ |
|       | 136                             |          |              |                | Н        |              | Н        |  | $\vdash$     | $\vdash$ |
|       | 137                             |          |              | Т              |          |              |          | -  | _            | $\vdash$ |
|       | 137<br>138                      |          |              | <u> </u>       |          |              |          |  |              |          |
|       | 139                             |          |              |                | -        |              |          |  |              |          |
|       | 140                             |          |              |                |          |              |          |  |              |          |
|       | 141                             |          |              |                |          |              |          |  |              |          |
|       | 142                             |          |              |                |          |              |          |  |              |          |
|       | 143                             |          |              |                |          |              |          | L.   | L.           |          |
|       | 144                             |          |              |                |          |              |          | L  |              |          |
|       | 145                             |          | L            | <u>L</u>       | L        |              |          | L_   | <u> </u>     | Ш        |
|       | 146                             | L_       |              |                | <u> </u> |              |          | <u> </u>   | <u> </u>     | Щ        |
|       | 147                             | $\vdash$ | _            | <u> </u>       |          | _            | L_       |  | <u> </u>     | Ш        |
|       | 148                             | <u> </u> | <u> </u>     | <u> </u>       | L_       |              | L_       | <u> </u>   | <u> </u>     | Ш        |
|       | 149                             | <u> </u> | <u> </u>     | <del>  -</del> | $\vdash$ | <b> </b>     |          | $\vdash$   | <u> </u>     | Ш        |
| L     | 150                             |          | <u> </u>     | L              | Щ.       | L            | Щ.       | L.   | L            | Ш        |